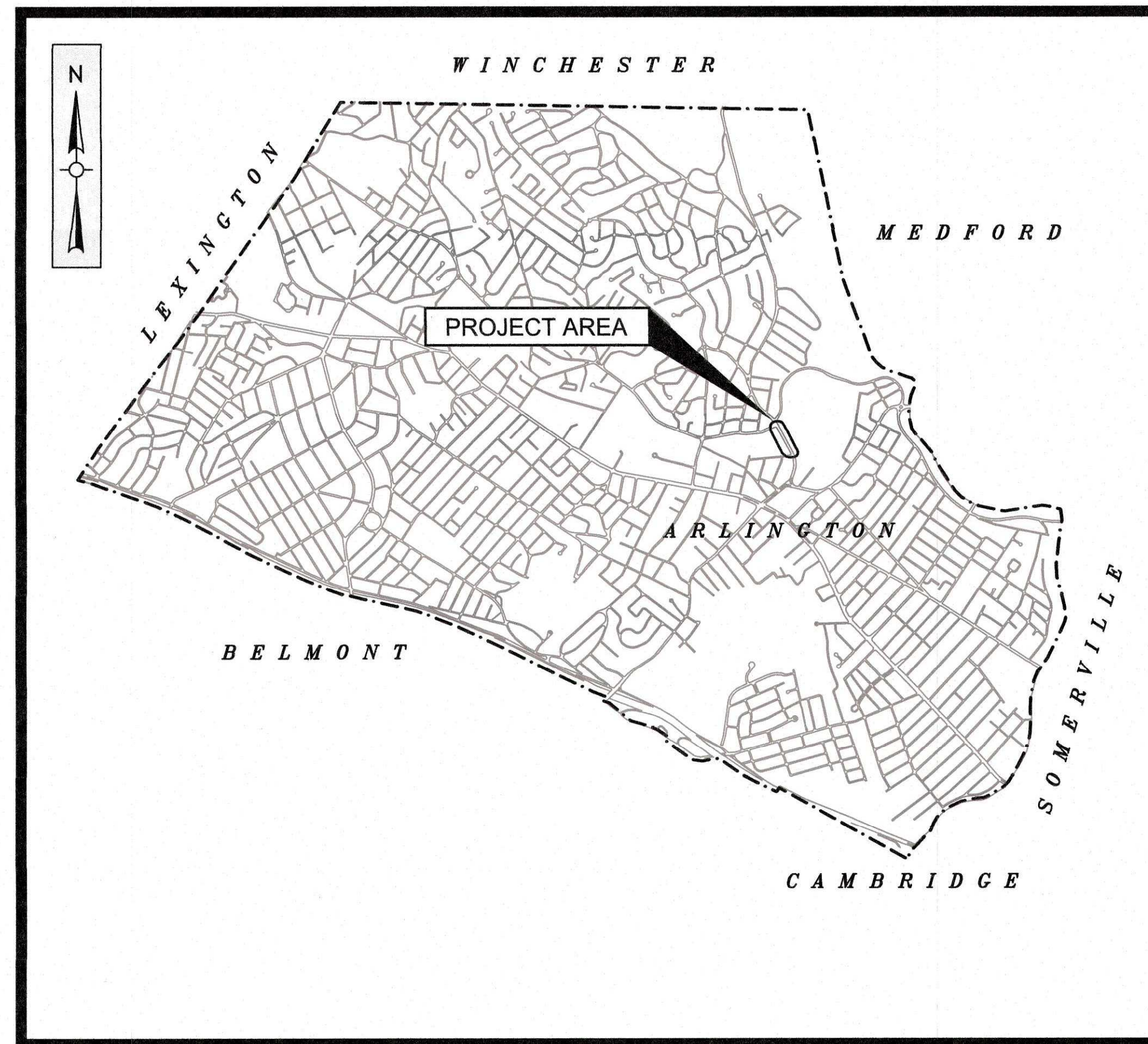


**TOWN OF ARLINGTON, MASSACHUSETTS**  
**DEPARTMENT OF PUBLIC WORKS**  
**51 GROVE STREET, ARLINGTON, MA. 02476**



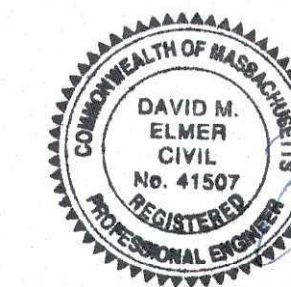
LOCUS MAP  
SCALE: 1"=2000'

**SEWER SIPHON  
REPLACEMENT PROJECT**

**BID INVITATION NO. 18-41**

**MICHAEL W. RADEMACHER, P.E.**  
**DIRECTOR OF PUBLIC WORKS**

**SEPTEMBER 2018**



*David Elmer*  
9/5/18

Weston & Sampson<sup>SM</sup>

Weston & Sampson Engineers, Inc.  
Five Centennial Drive, Peabody, MA 01960

DRAWING INDEX

<u>SHEET</u>	<u>TITLE</u>
G-1	ABBREVIATIONS, LEGENDS, AND NOTES
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C-1	MYSTIC STREET SIPHON PLAN AND PROFILE
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C-3	MYSTIC STREET SIPHON SERVICE CONNECTION
T-1	TRAFFIC MANAGEMENT SIGN SUMMARY, LEGEND, AND NOTES
T-2	MYSTIC STREET TRAFFIC MANAGEMENT PLAN I
T-3	MYSTIC STREET TRAFFIC MANAGEMENT PLAN II



LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	—S—	—8"S PVC—
WATER MAIN	—W—	—6"W DI
STORM DRAIN	—D—	—18"D RCP—
GAS	—G—	—4"G—
ELECTRIC	—E—	—E—
TELEPHONE	—T—	—T—
HOUSE CONNECTION		6" HOUSE CONN (TYP)
SANITARY SEWER MANHOLE	⊙	● SMH
STORM DRAIN MANHOLE	⊙	● SDMH
ELECTRICAL MANHOLE	○	● EMH
TELEPHONE MANHOLE	○	● TMH
CLEANOUT	○	● CO
CATCH BASIN	□	■ CB
HYDRANT	⚡	⚡
GATE VALVE	⌵	⌵
CHECK VALVE	⌵	⌵
CURB STOP	⌵	⌵
BUTTERFLY VALVE	⌵	⌵
CAP OR PLUG	⌵	⌵
GAS GATE VALVE	⌵	⌵
UTILITY POLE	⌵	⌵
GUY POLE	⌵	⌵
LIGHT POST	☆	
EDGE OF PAVEMENT		
CURB		
SIDEWALK		
STONE WALL	⌵	⌵
RETAINING WALL	RET WALL	RET WALL
FENCE	—X—X—	—X—X—
INDIVIDUAL DECIDUOUS TREE	⊙	⊙
INDIVIDUAL EVERGREEN TREE	⊙	⊙
TREE LINE	⌵	⌵
SURVEY MARKER	⌵	⌵
PROPERTY LINE	⌵	⌵
EASEMENT LINE	⌵	⌵
LIMIT OF WORK	⌵	⌵
SPOT ELEVATIONS	x 141.5	x 141.5
HOUSE NUMBER	#35	
FLOOR ELEVATION	FL=56.7	
SILL ELEVATION	S=56.7	
WETLAND	⌵	⌵
WETLAND FLAGS	⌵	1 2
GUARD POST	△	▲
BOLLARD	○ B	● B
SIGN	⌵	
BENCH MARK	⌵	
TEST PIT	⌵ 1	TP-1
GROUNDWATER MONITORING WELL	⊕ WS-1	⊕ WS-1
HAY BALES		⌵
ROCK OUTCROP	⌵	

REHABILITATION LEGEND		
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	—S—	—S—
STORM DRAIN	—D—	—D—
SANITARY SEWER MANHOLE REHABILITATION	04306 •	04306 ▲
LAMPHOLE	⌵	
SANITARY SEWER MANHOLE REPLACEMENT	04306 •	04306 □
DIRECTION OF FLOW	→	→
THE "S" AT THE END OF MANHOLE NUMBERS SHOWN IN THE PLAN VIEW INDICATES SEWER AND THE "D" INDICATES DRAIN. THE DESIGNATION HAS NOT BEEN INCLUDED IN THE WORK TABLES FOR CLARITY.		

ABBREVIATIONS		
AC	ASBESTOS CEMENT PIPE	
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS	
BC	BITUMINOUS CONCRETE	
BIT	BITUMINOUS	
BLDG	BUILDING	
BM	BENCH MARK	
CATV	CABLE TELEVISION	
CB	CATCH BASIN	
CC	CONCRETE CURB	
CI	CAST IRON	
C	CENTERLINE	
CMP	CORRUGATED METAL PIPE	
CONC	CONCRETE	
CU FT	CUBIC FEET	
CY	CUBIC YARD	
D	STORM DRAIN, DEPTH FROM RIM TO INVERT	
DI	DRAIN, DUCTILE IRON	
DIA	DIAMETER	
DMH	DRAIN MANHOLE	
DWG	DRAWING	
E	EAST, ELECTRIC	
EA	EACH	
ELEV	ELEVATION	
EOP	EDGE OF PAVEMENT	
EXIST	EXISTING	
FT	FEET, FOOT	
G	NATURAL GAS	
GC	GRANITE CURB	
HC	HOUSE CONNECTION	
HORIZ	HORIZONTAL	
HP	HIGH PRESSURE	
HYD	FIRE HYDRANT	
I	INVERT	
INV	INVERT	
ID	INSIDE DIAMETER	
LB	POUND	
LF	LINEAR FEET	
LS	LUMP SUM	
MAX	MAXIMUM	
MB	MAIL BOX	
MH	MANHOLE	
MassDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTATION	
MIN	MINIMUM	
MISC	MISCELLANEOUS	
MWRA	MASSACHUSETTS WATER RESOURCES AUTHORITY	
N	NORTH	
NE	NORTH EAST	
NW	NORTH WEST	
NO OR #	NUMBER	
NTS	NOT TO SCALE	
OD	OUTSIDE DIAMETER	
R	PROPERTY LINE	
PVC	POLYVINYL CHLORIDE	
PVMT	PAVEMENT	
RC	REINFORCED CONCRETE PIPE	
RCP	REINFORCED CONCRETE PIPE	
ROW	RIGHT-OF-WAY	
S	SEWER, SOUTH	
SE	SOUTH EAST	
SF	SQUARE FEET	
SPEC	SPECIFICATIONS	
SQ FT	SQUARE FEET	
SS	SEWER SERVICE, STAINLESS STEEL	
STA	STATION	
STL	STEEL	
SW	SIDEWALK, SOUTH WEST	
T	HYDROSTATIC THRUST, TELEPHONE	
TBM	TEMPORARY BENCH MARK	
THK	THICK (NESS)	
TYP	TYPICAL	
UP	UTILITY POLE	
VC	VITRIFIED CLAY	
VERT	VERTICAL	
VF	VERTICAL FEET	
W	WATER, WEST	
W/	WITH	
W/O	WITHOUT	

- CONSTRUCTION NOTES:
1. THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY TOWN OF ARLINGTON WATER AND SEWER DIVISION AT 781-316-3310 FOR MARK-OUT OF TOWN SEWER, WATER AND DRAINAGE INFRASTRUCTURE. MWRA IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY KEVIN MCKENNA AT 617-305-5956 FOR MARK-OUT OF MWRA INFRASTRUCTURE.
  2. LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
  3. ALL UTILITY CONFLICT NOTES ARE APPROXIMATE AND MAY NOT INCLUDE ALL POTENTIAL CONFLICTS. THESE NOTES DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO BEGINNING THE WORK.
  4. TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
  5. STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK, UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
  6. ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
  7. ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
  8. THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS, 50 FEET OF INTERSECTIONS OR 10 FEET OF DRIVEWAYS.
  9. SEWER TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT'. ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
  10. BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSENEED OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
  11. OPENINGS FOR PIPE IN PRECAST MANHOLE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING MANHOLE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
  12. CONTRACTOR SHALL MAINTAIN EXISTING FLOWS IN THE SYSTEM, BYPASSING AS NECESSARY TO PREVENT SURCHARGING, AS APPROVED OR REQUIRED BY THE ENGINEER.
  13. NO PAYMENT SHALL BE MADE FOR ADDITIONAL PIPE CLEANING.
  14. FORM BRICK INVERTS IN MANHOLES WITH BRICK ON EDGE TO A DEPTH OF 0.8 INSIDE DIAMETER OF PIPE AND FORM A 1 INCH SLOPED BENCH WITH BRICK FLAT. INVERT SHALL BE SLOPED UNIFORMLY BETWEEN INLET AND OUTLET PIPE AND SHALL BE FORMED AND FILLED AS REQUIRED TO DIRECT THE FLOW AS INDICATED AND TO PREVENT DEPOSITION OF SOLIDS.
  15. IN PAVED AREAS THE TOP OF THE MANHOLE COVER SHALL BE SET FLUSH WITH THE PAVED SURFACE. IN OTHER AREAS THE TOP OF THE COVER SHALL BE SET AS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY THE ENGINEER.
  16. ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES.
  17. CONTRACTOR SHALL TELEPHONE ALL SEWER SERVICES ENCOUNTERED DURING EXCAVATION FROM THE PROPERTY LINE TO THE BUILDING PRIOR TO REINSTATING LATERAL CONNECTIONS. RECORDING SHALL BE PROVIDED AT TIME OF THE INSPECTION.
  18. ALL SIDEWALKS SHALL BE MAINTAINED FREE OF DEBRIS AND BLOCKAGES OR SHALL BE BARRICADED AND SUITABLE SAFETY BARRIERS INSTALLED.
  19. CONTRACTOR SHALL PRODUCE AND DISTRIBUTE DOOR-TO-DOOR ABUTTER NOTIFICATION LETTERS AT LEAST TWO (2) WORKING DAYS PRIOR TO ALL WORK ITEMS. NOTIFICATION LANGUAGE SHALL BE APPROVED BY THE OWNER PRIOR TO DISTRIBUTION.

- GENERAL NOTES:
1. PLANS ILLUSTRATE APPROXIMATE LOCATIONS OF MANHOLES AND SEWERS. ALL LOCATIONS SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
  2. EXCAVATION SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
  3. CONTRACTOR SHALL PROVIDE ALL PROJECT VIDEO FILES ON AN EXTERNAL HARD DRIVE AT THE CONCLUSION OF THE PROJECT AS DESCRIBED IN SPECIFICATION SECTION 01331 DOCUMENTATION.
  4. CONTRACTOR SHALL NOT ALLOW SAND, SILT OR OTHER SITE RUNOFF TO ENTER CATCH BASINS. ANY DEBRIS ENTERING SYSTEM DURING CONSTRUCTION SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
  5. MANHOLES AND LINE SEGMENTS WITH WORK TO BE PERFORMED ARE BOLDDED ON THE PLANS. WHERE THERE IS A DISCREPANCY BETWEEN THE BOLDDED MANHOLE/LINE SEGMENT AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
  6. WHERE THERE IS A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
  7. THE SCOPE OF WORK INCLUDES APPROXIMATELY: 60 LINEAR FEET OF PIPE BURSTING (TWO (2) PARALLEL 8-INCH CAST IRON SIPHON BARRELS APPROXIMATELY 30 LINEAR FEET); INSTALLATION OF APPROXIMATELY 134 LINEAR FEET OF HDPE SIPHON PIPE; REPLACEMENT OF 40 LINEAR FEET OF 6-INCH GRAVITY SEWER PIPE; REPLACEMENT OF TWO (2) SEWER SIPHON STRUCTURES; SET-UP OF A TEMPORARY SEWER BYPASS SYSTEM FOR THE SIPHON REPLACEMENT; AND OTHER RELATED TASKS IN THE TOWN OF ARLINGTON, MASSACHUSETTS.
  8. WHILE JERSEY BARRIERS ARE IN PLACE, THE WORK HOURS OF 7:00 AM TO 5:00 PM ARE ALLOWED MONDAY THROUGH FRIDAY, AND 8:00 AM TO 5:00 PM ON SATURDAYS.
  9. NO WORK SHALL BE PERFORMED ON SUNDAYS AND HOLIDAYS.
  10. CLEANING OF SEWER SIPHON SHALL BE PERFORMED PRIOR TO DEMOLITION OF STRUCTURES TO PREVENT CONTAMINATION OF THE WORK AREA.

Weston & Sampson  
Weston & Sampson Engineers, Inc.  
Five Centennial Drive, Peabody, MA 01960  
978.532.1900  
800.SAMPSON  
www.westonandsampson.com

No.

Date

Dr. By

Ch. By

App. By

Description

V

E

D

O

R

P

P

A

REGISTERED PROFESSIONAL ENGINEER

Seal of the State of Massachusetts  
Professional Engineer  
Civil  
No. 41590  
EXPIRATION DATE 12/31/2024

TOWN OF ARLINGTON, MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS  
SEWER SIPHON REPLACEMENT PROJECT

ABBREVIATIONS, LEGENDS, AND NOTES

CADD NO.

FILE NO.

235-9

SCALE

NOTES

NOTED

CONTRACT

18-41

JOB NO.

2180077

DR. BY

JMC

DSN BY

JMC

CHK BY

JRH

APP BY

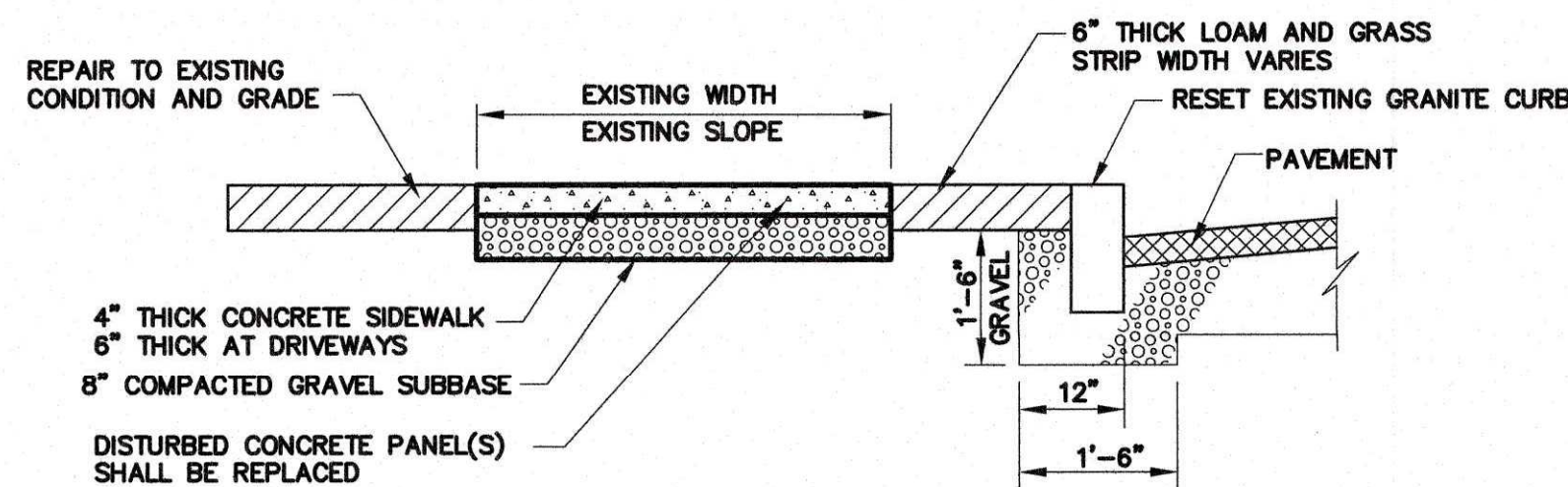
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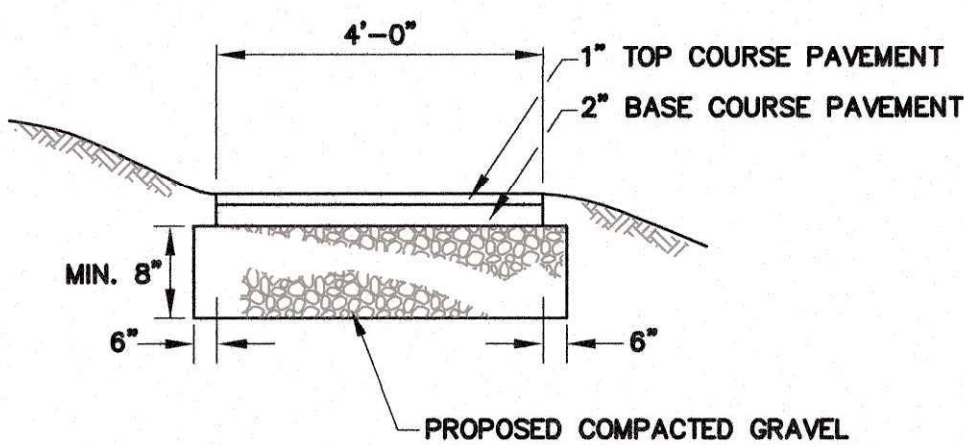
SHEET 2 OF 10

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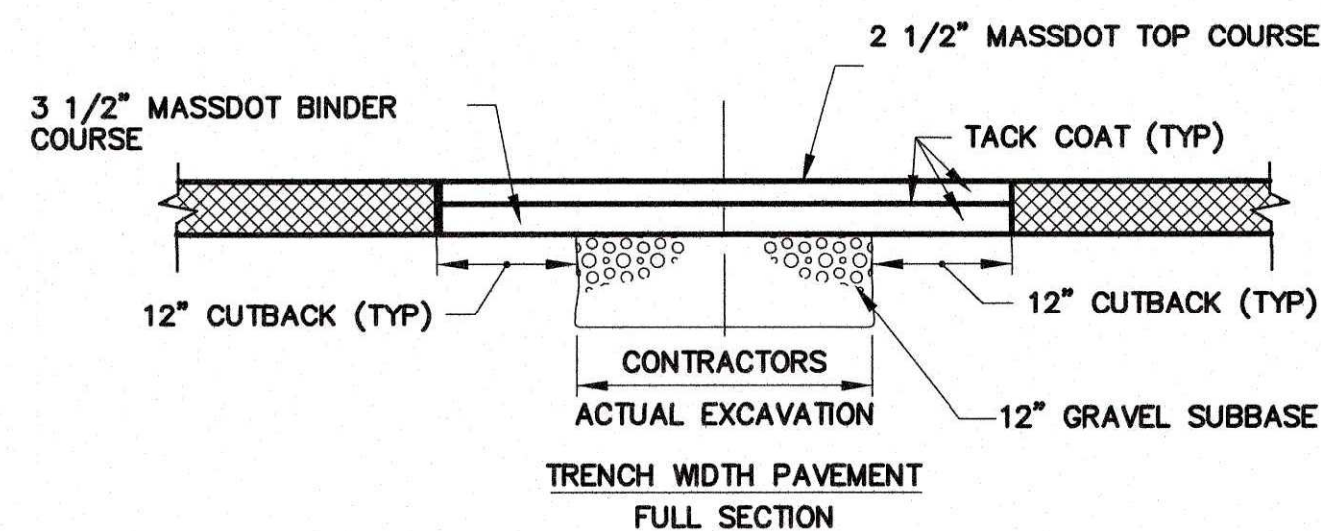
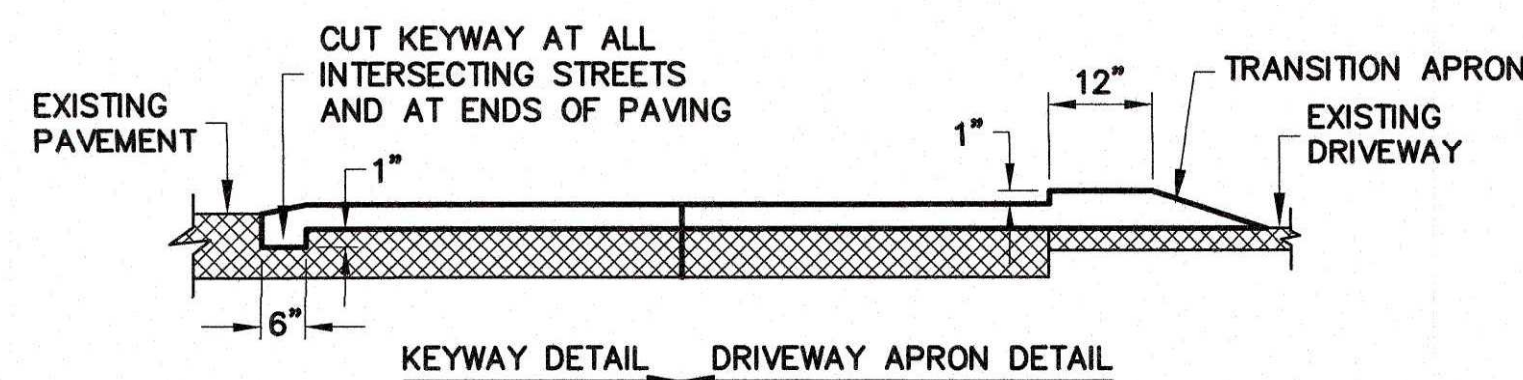




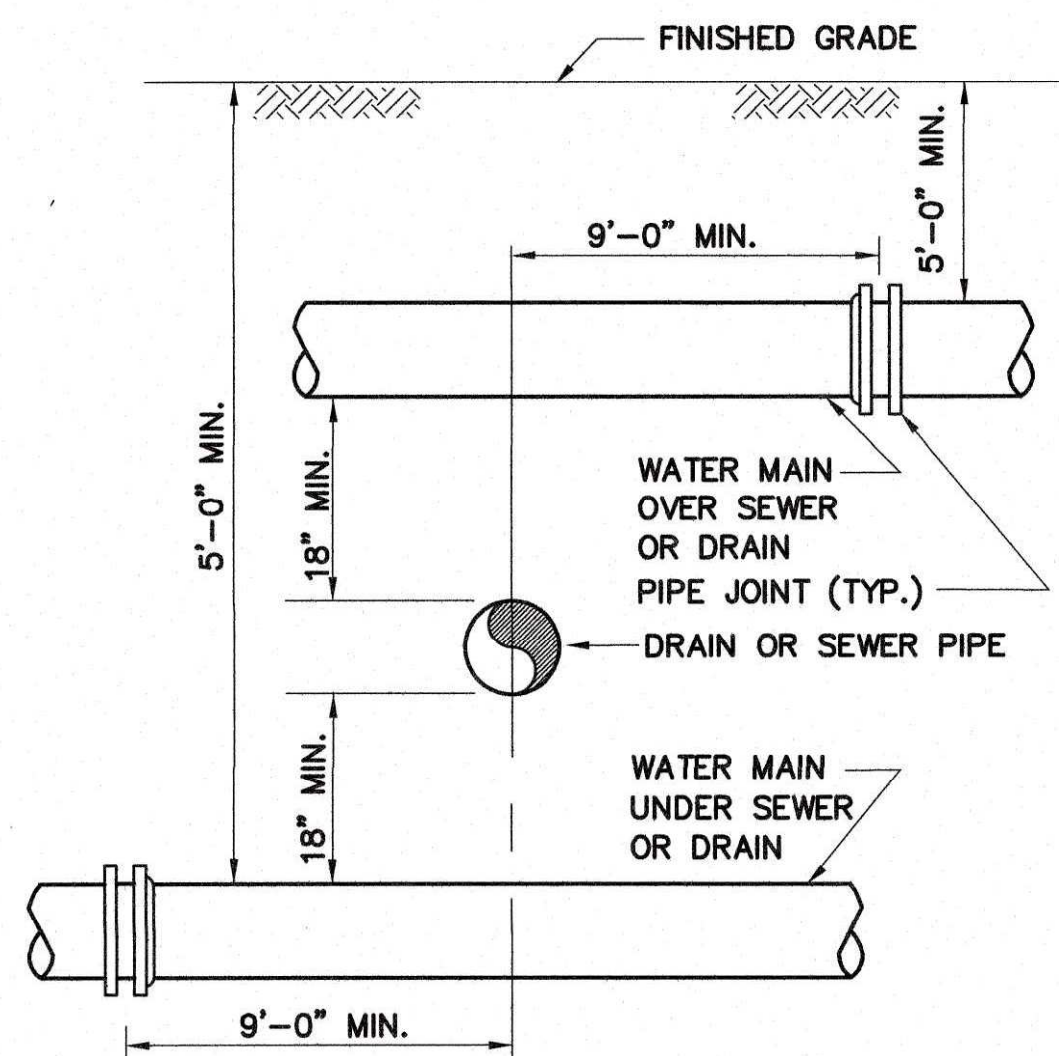
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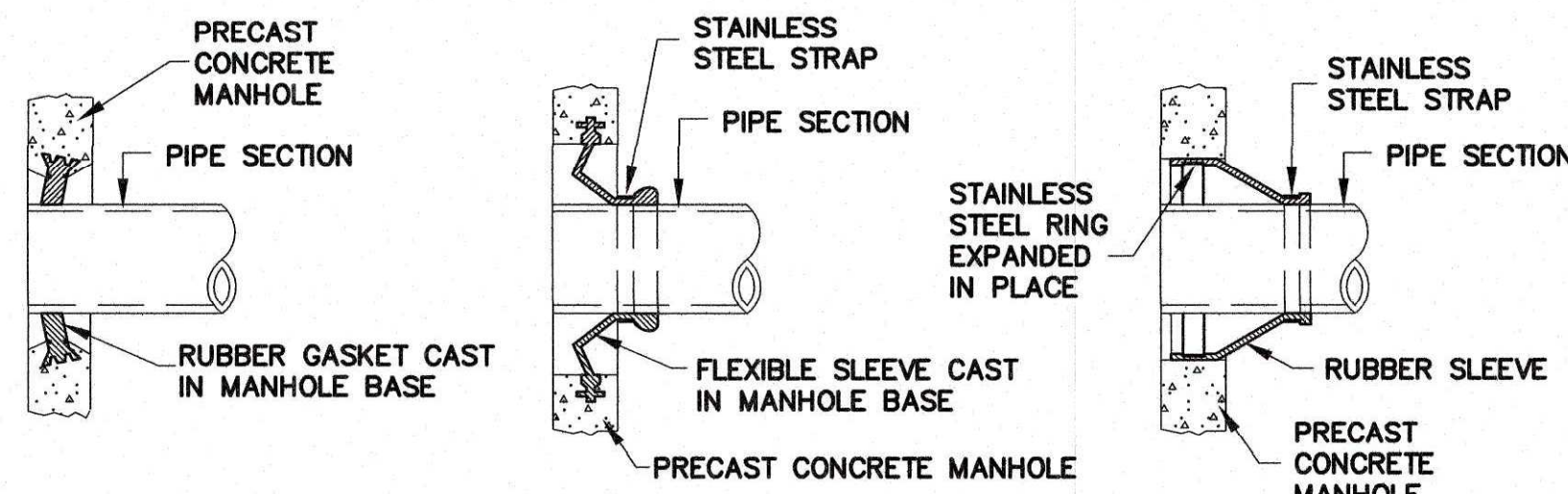
BITUMINOUS PAVEMENT WALKWAY DETAIL  
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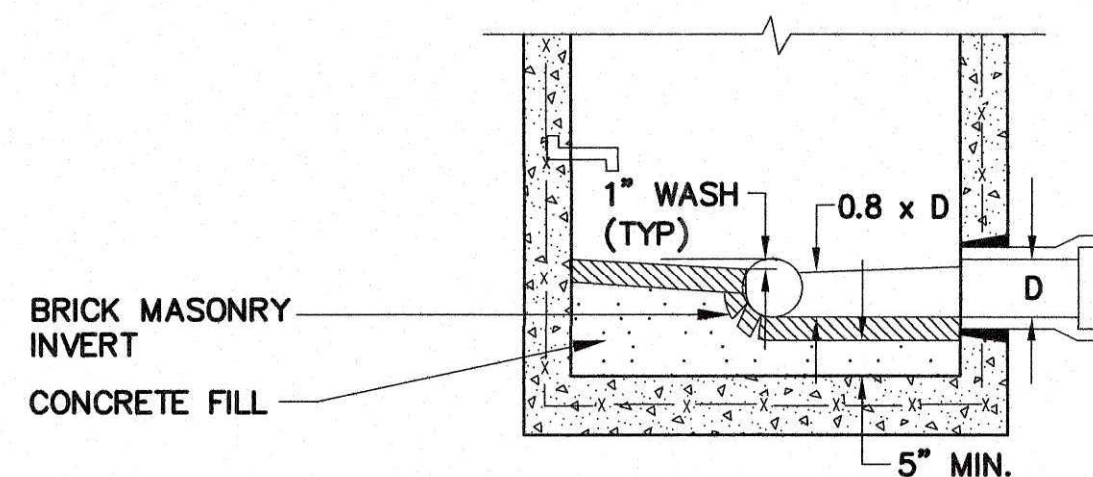
PAVEMENT REPLACEMENT DETAILS  
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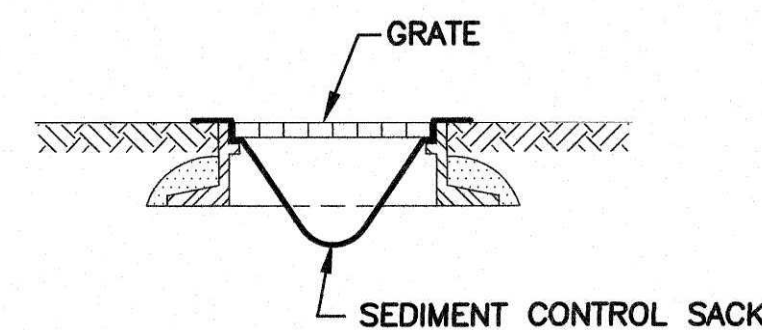
SEWER OR DRAIN CROSSING DETAIL  
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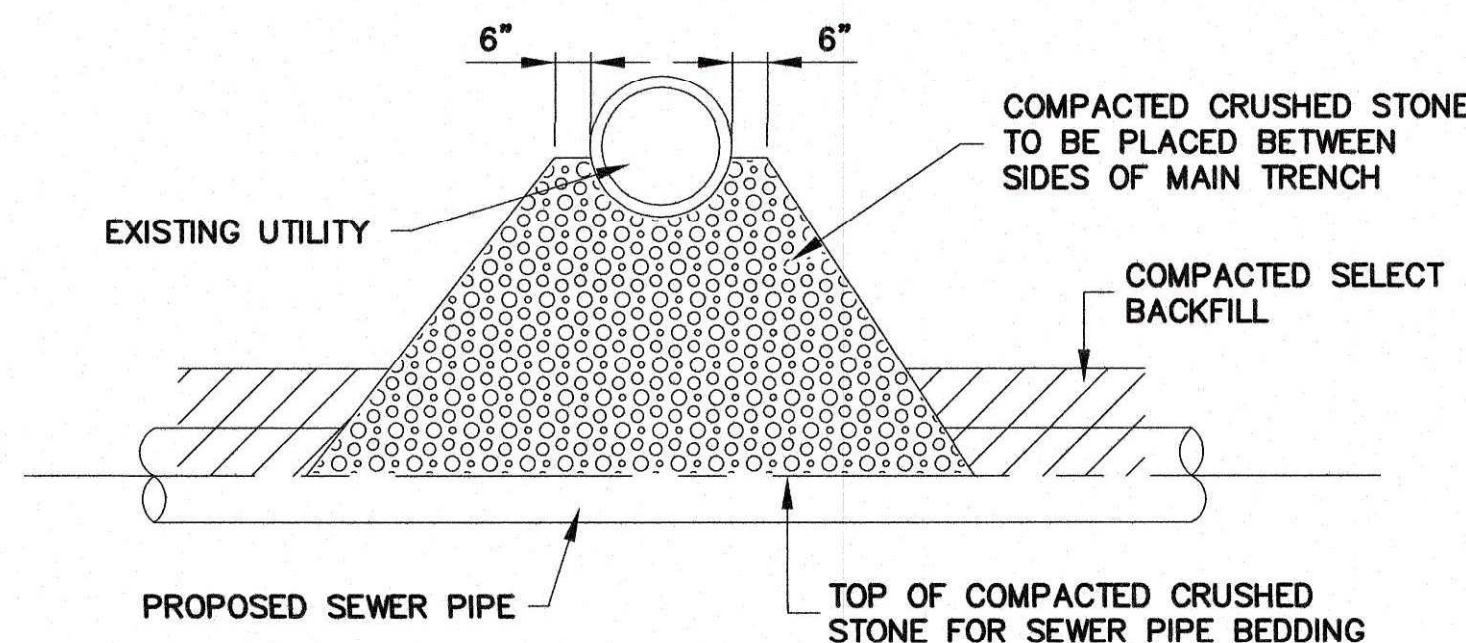
MANHOLE SEAL DETAILS  
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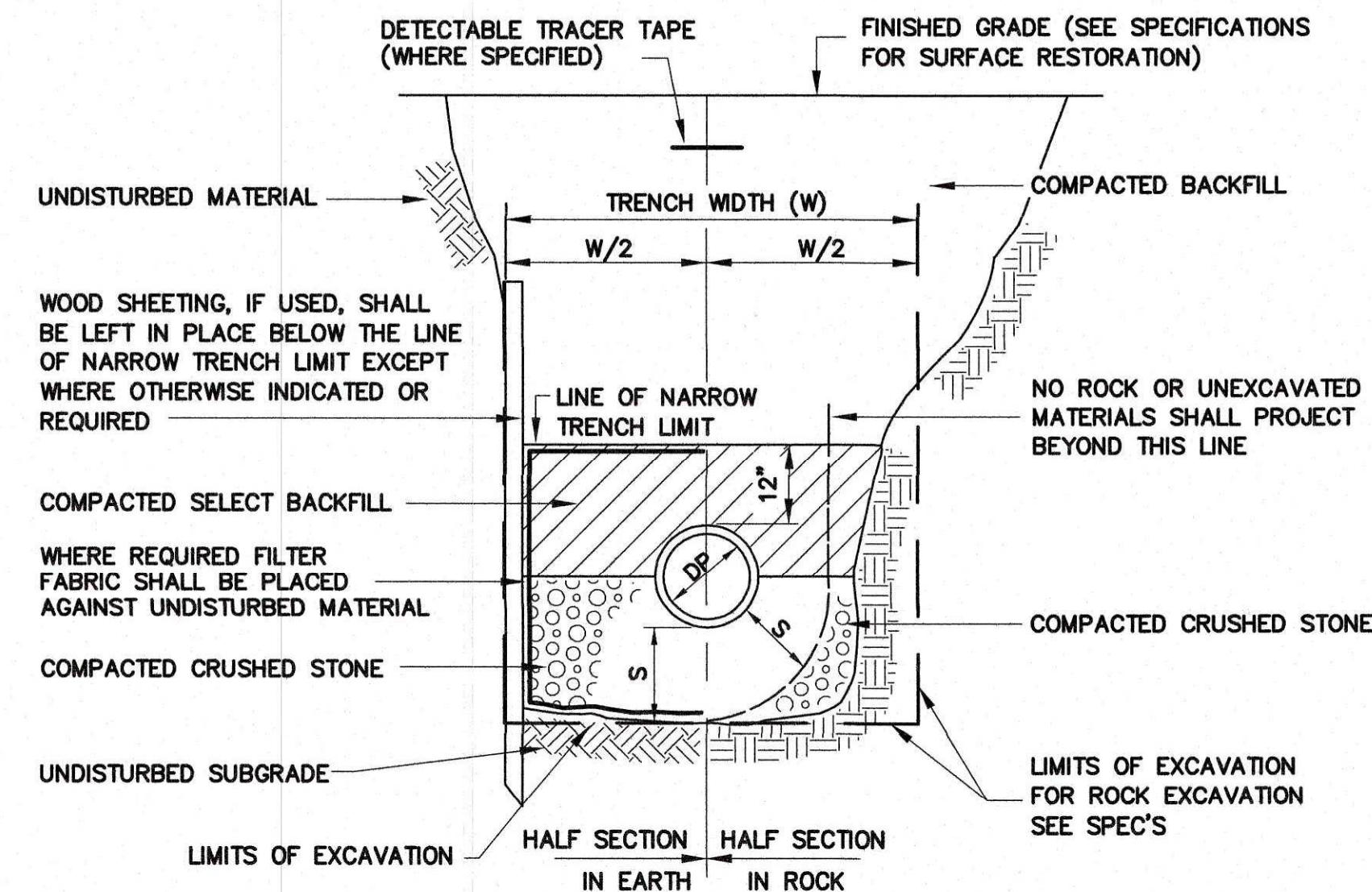
BUILD MANHOLE  
BENCH AND INVERT DETAIL  
N.T.S.



CATCH BASIN PROTECTION DETAIL  
N.T.S.



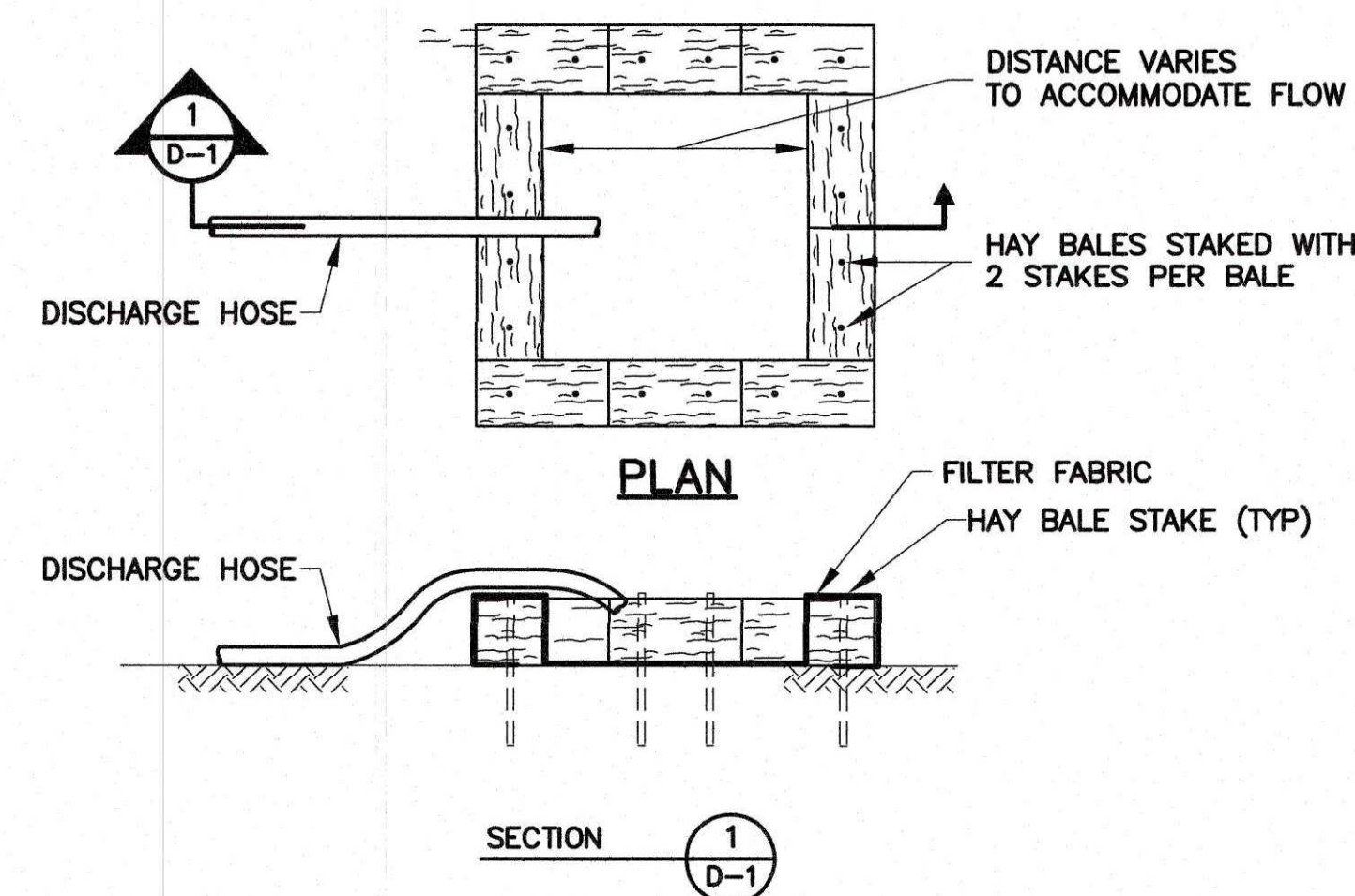
UTILITY CROSSING DETAIL  
N.T.S.



SEWER TRENCH DETAIL  
N.T.S.

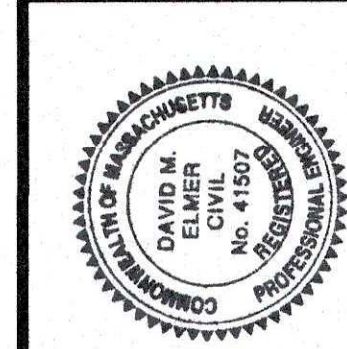
DEPTH TO INVERT	DIAMETER OF PIPE (DP)	MAXIMUM TRENCH WIDTH BELOW LINE OF NARROW TRENCH LIMIT (SHEETED OR UNSHEETED) (W)	MINIMUM CLEARANCE (S)
0-12'	TO 18"	5'	6"
0-12'	21"-24"	5'	7'-1/2"
OVER 12'	TO 18"	7'	6"
OVER 12'	21"-24"	7'	7'-1/2"

TABLE A



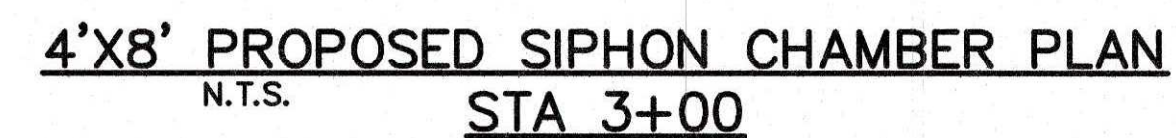
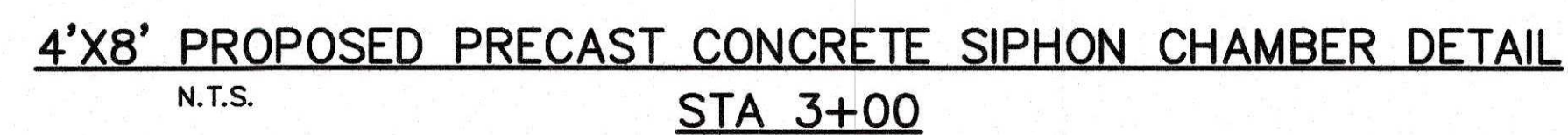
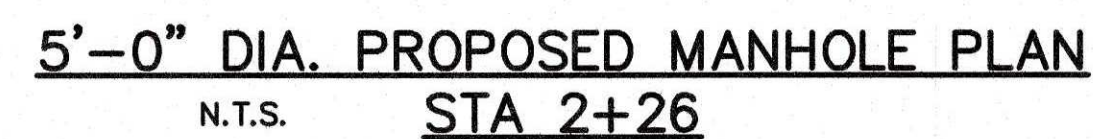
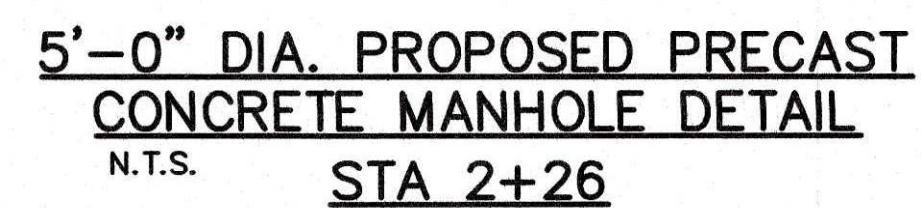
DEWATERING DISCHARGE DISPOSAL DETAIL  
N.T.S.

No.	Date	Dr. By	Chk. By	App. By	Description
1	4/15/19				DESIGN



TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT	DESIGNER	APP. BY	DME
	CHK. BY	JRH	
	DSN. BY	JMC	
	DR. BY	JMC	
	JOB NO.	2180077	
	CONTRACT	18-41	
	SCALE	NOTED	
	DETAILS		
	CADD NO.		
	FILE NO.	235-8	



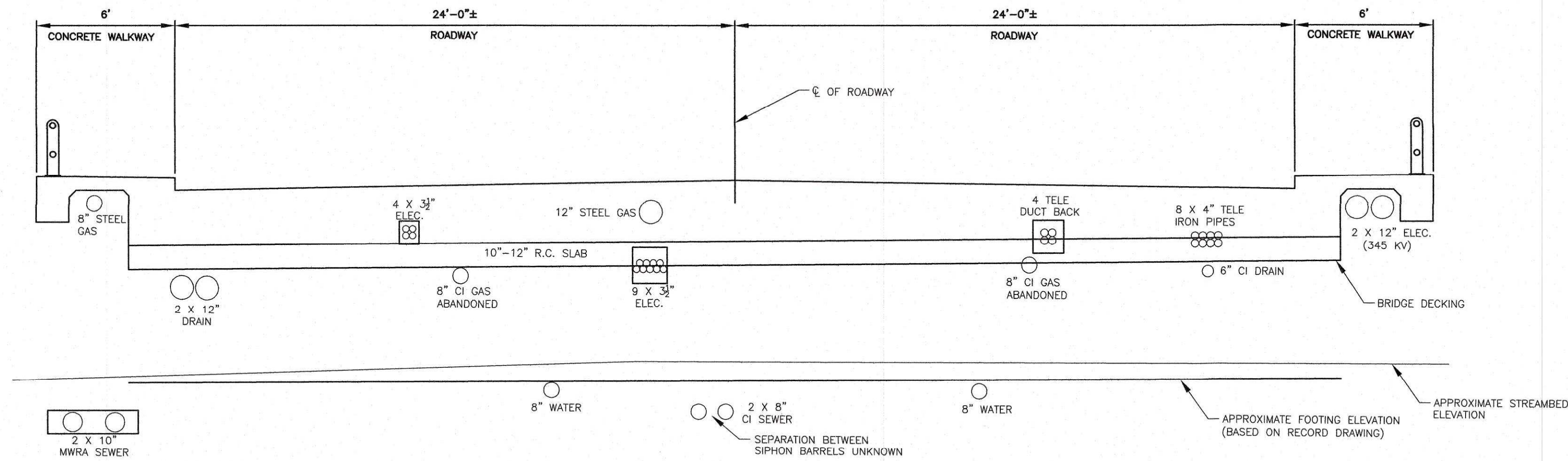






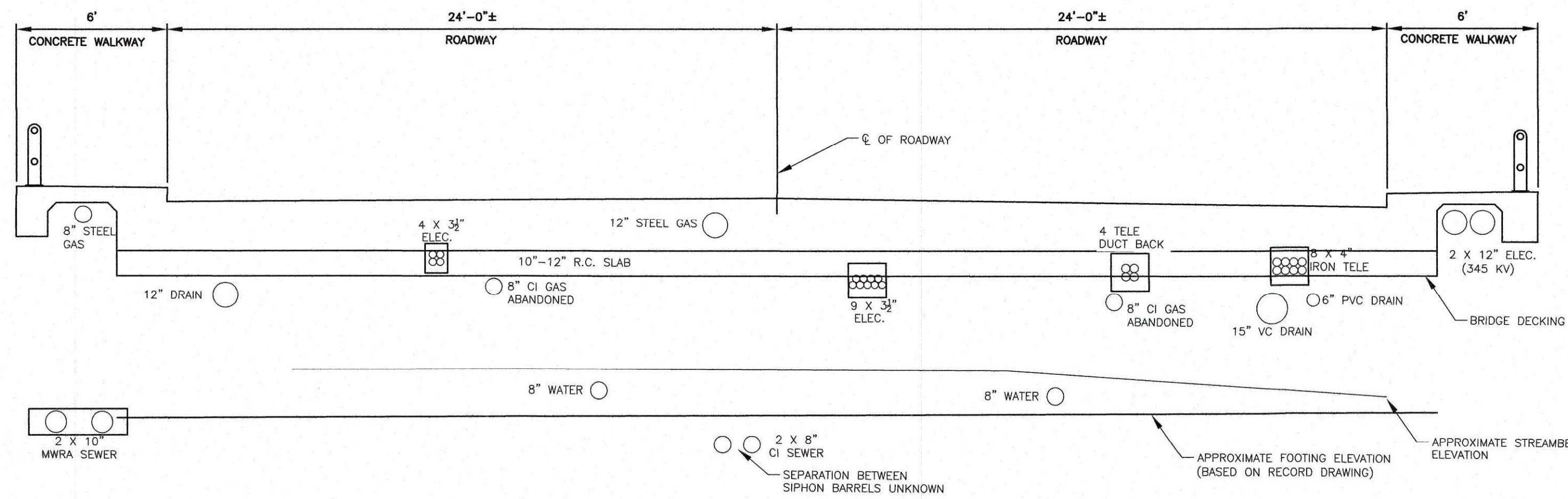


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EXISTING CROSS SECTION AT STA 2+55  
(FACING NORTH)

SECTION 1  
C-1

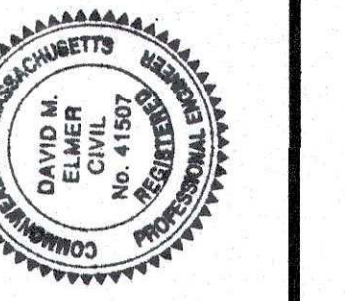


EXISTING CROSS SECTION AT STA 2+74  
(FACING NORTH)

SECTION 2  
C-1

EXISTING CROSS SECTION VIEWS  
SCALE: 1/4" = 1'

No.	Date	Dr. By	Chk. By	App. By	Description
1	9/15/18	David M. Elmer	David M. Elmer	David M. Elmer	REGISTERED PROFESSIONAL ENGINEER

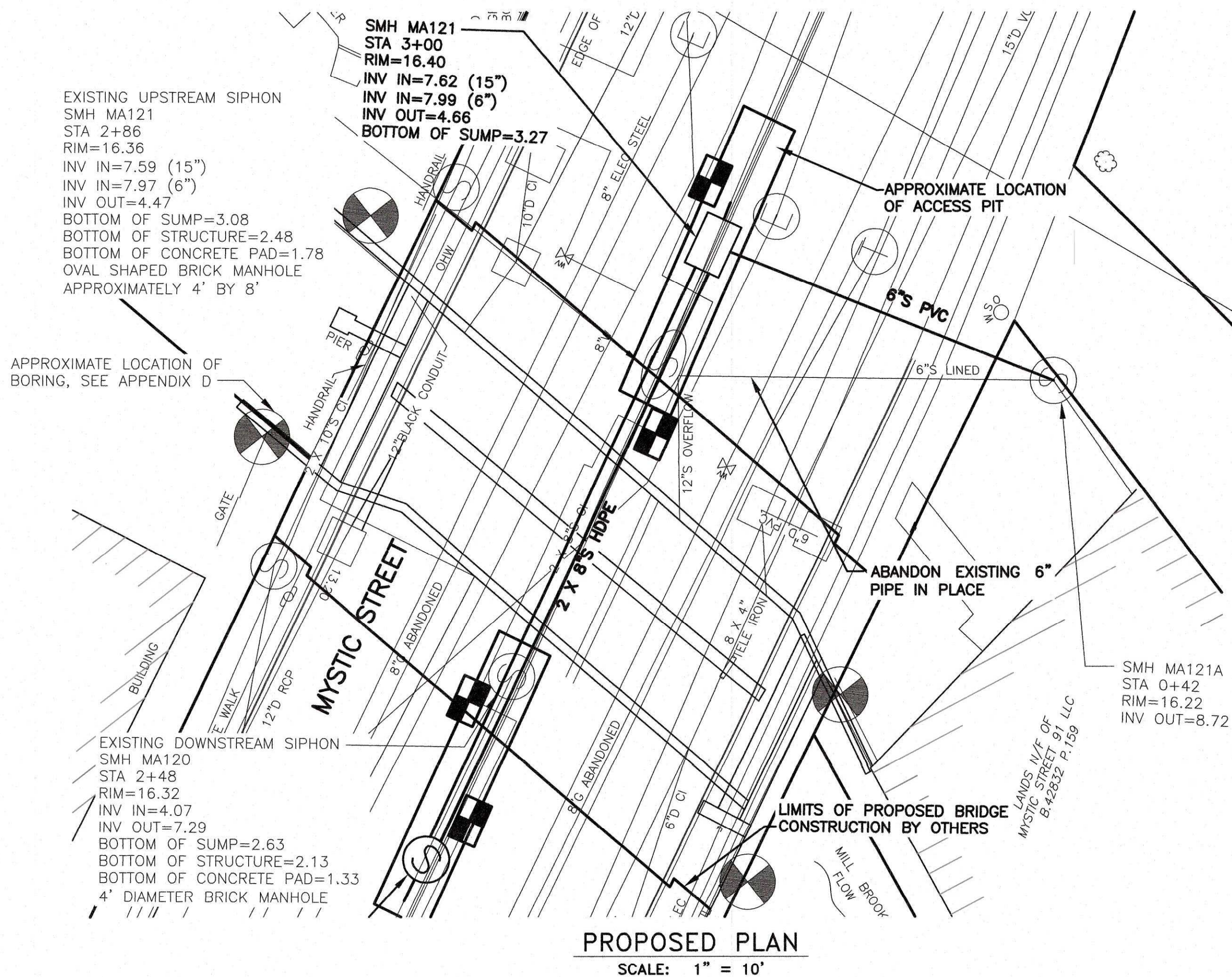


TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS	MYSTIC STREET SIPHON REPLACEMENT PROJECT	CONTRACT: 2180077	JOB NO. 18-41	SCALE: NOTED	FILE NO. 235-5
DESIGN BY: JMC	DRY BY: JMC	CHK BY: JRH	APP BY: DME		

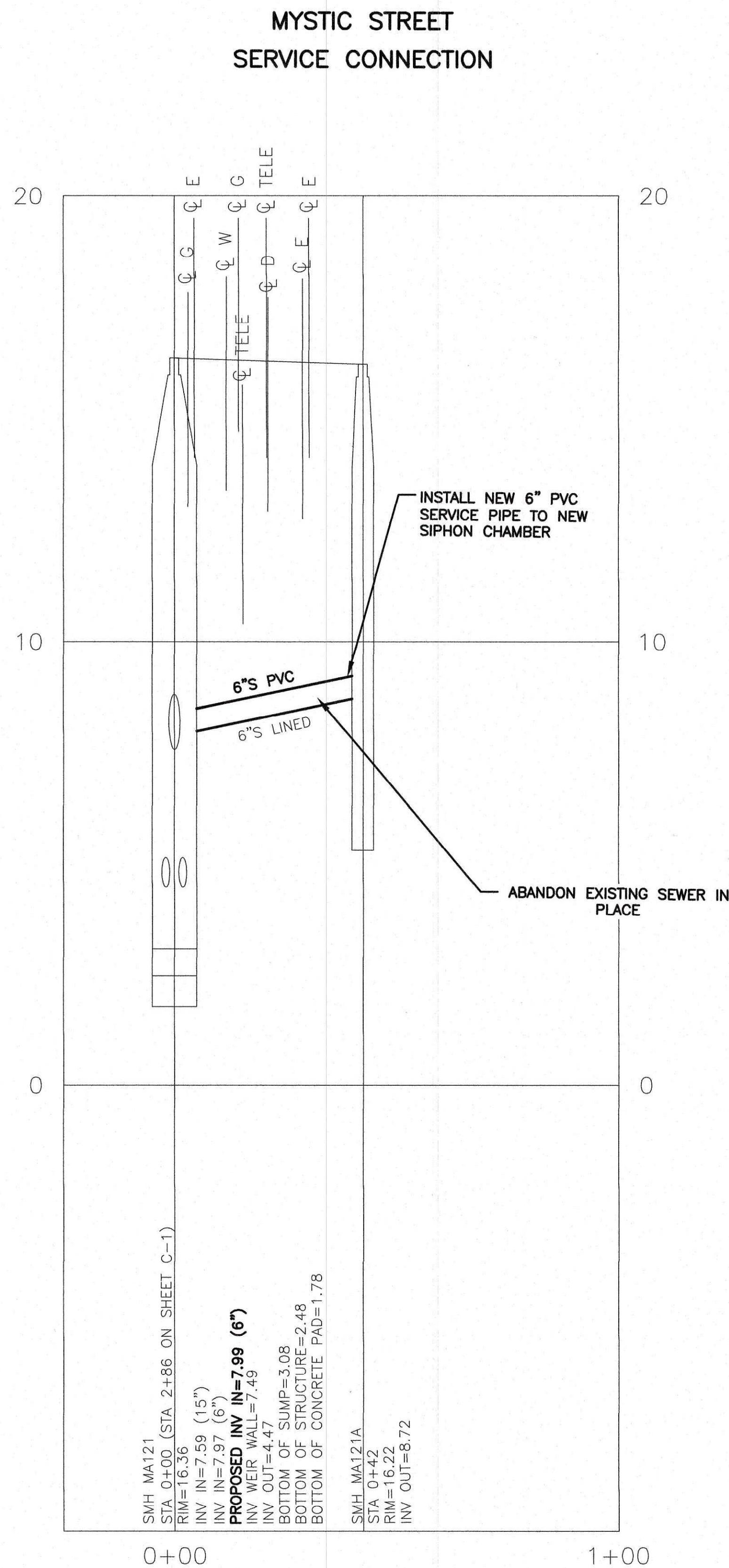
C-2	235-5
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D:\MA\Arlington, MA\2180077 - Phase #10 Design\CADD\18-SEA\Mystic Street Siphon Design\General\Mystic St Siphon.dwg



- NOTE:
1. TEMPORARY BYPASS PUMPING SYSTEM SHALL NOT INTERFERE WITH ACCESS ROADS, WALKING PATHS, OR SIDEWALKS.
  2. TEMPORARY BYPASS PUMPING SYSTEM SHALL HAVE ONE STAND BY PUMP FOR EACH PUMP UTILIZED, READY TO USE IN THE EVENT OF A PRIMARY PUMP FAILURE. CONTRACTOR SHALL BYPASS FLOW FROM THE 15-INCH GRAVITY MAINLINE AND 6-INCH GRAVITY SERVICE. SEE SPECIFICATION SECTION 01530, TEMPORARY BYPASS PUMPING SYSTEM FOR SEWER FLOW CHARACTERISTICS.
  3. CONTRACTOR SHALL BURY TEMPORARY BYPASS PIPING AT ALL SIDEWALK, ROAD, WALKWAY, AND DRIVEWAY CROSSINGS.
  4. THE OWNER HAS APPLIED FOR AN MWRA 8M PERMIT RELATED TO THE SEWER BYPASS WORK ON MYSTIC STREET.
  5. TELEVISION INSPECTION SHALL BE PERFORMED IN "DRY PIPE" DURING TEMPORARY BYPASS OPERATION.
  6. CONTRACTOR SHALL PROTECT ALL UTILITIES.
  7. ACCESS PIT LOCATIONS IN PLAN ARE APPROXIMATE. CONTRACTOR MAY LOCATE ACCESS PITS AT THEIR DISCRETION FOR PIPE BURSTING OPERATIONS.
  8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAVEL IN EACH DIRECTION DURING CONSTRUCTION ACTIVITIES.
  9. TEST PITS SHALL BE PERFORMED TO LOCATE EXISTING UTILITIES, AS APPROVED BY THE ENGINEER.
  10. PHOTOS OF EXISTING SIPHON MANHOLES ARE INCLUDED IN APPENDIX B.
  11. BORING INFORMATION IS INCLUDED IN APPENDIX C.

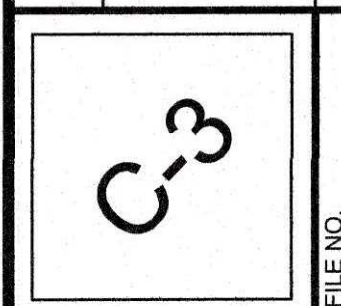


No.	Date	Dr. By	Chk. By	App. By	Description
		A	P	R	O
					V
					E
					D

REGISTERED PROFESSIONAL ENGINEER  
DATE 9/13/18











TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS	CONTRACT: 18-41	JOB NO. 2180077	DR BY JMC	DSN BY JMC	CHK BY JRH	APP BY DME
MYSTIC STREET SIPHON SERVICE CONNECTION	SCALE: NOTED	FILE NO. 235-4				

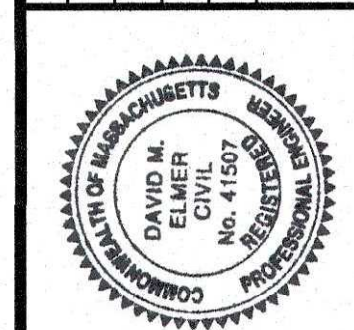




### TRAFFIC MANAGEMENT LEGEND:

	REFLECTORIZED DRUM
	TRAFFIC FLOW DURING CONSTRUCTION
	NORMAL TRAFFIC FLOW
	POLICE DETAIL OFFICER
	CONSTRUCTION SIGN
	WORK AREA
	TEMPORARY PRECAST PORTABLE CONCRETE BARRIER WITH FLASHING WARNING SIGNALS
	TEMPORARY IMPACT ATTENUATOR WITH FLASHING WARNING SIGNALS

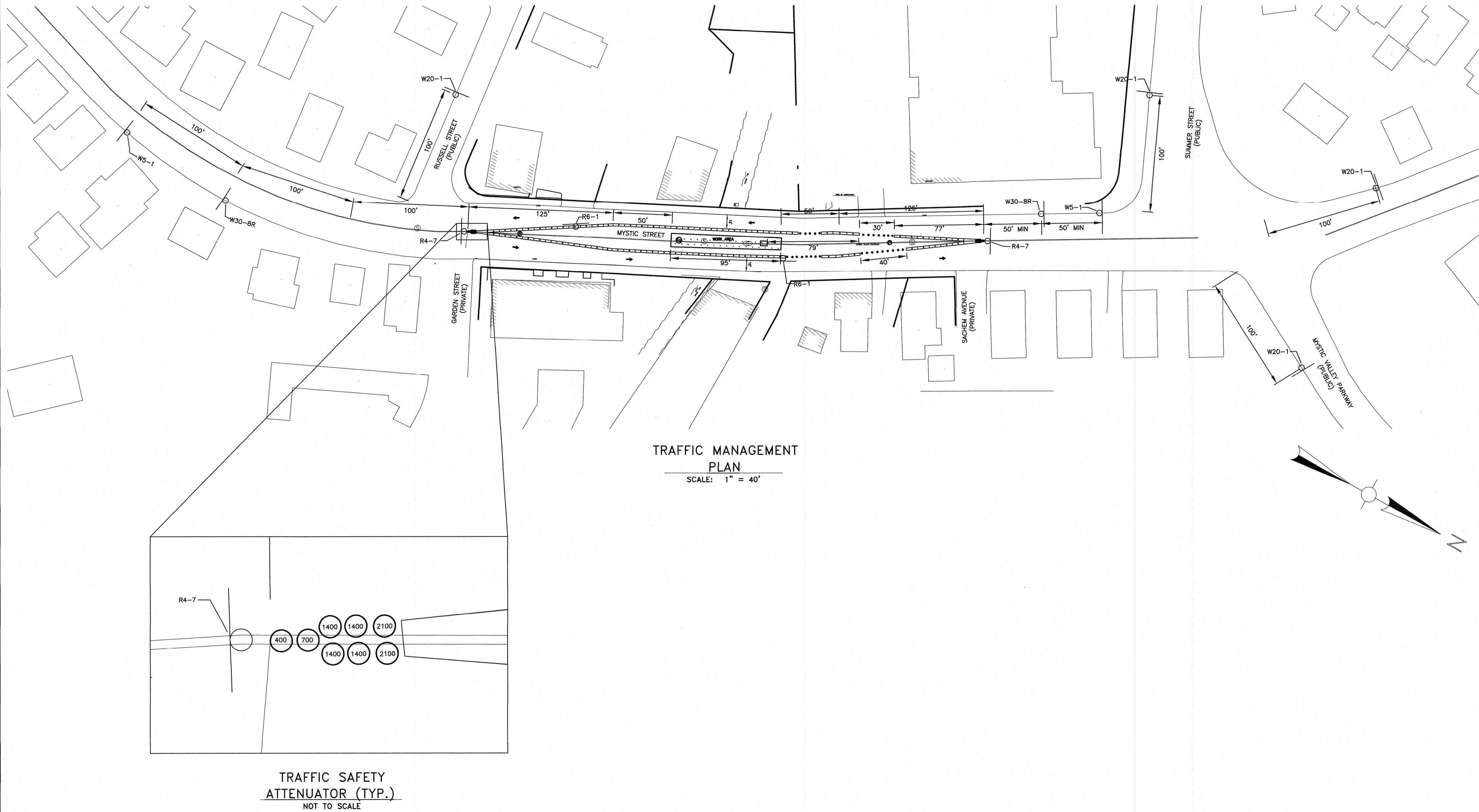
1. PLACEMENT OF ALL CONSTRUCTION SIGNS, DRUMS, BARRICADES, TRAFFIC DEVICES AND THE SHAPE, SIZE & COLOR OF ALL TEMPORARY TRAFFIC SIGNS SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND REVISIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. ADVANCE WARNING SIGN PLACEMENT AND TAPER LENGTH TO BE ADJUSTED ACCORDING TO STREET CONDITIONS AND DRIVEWAY OPENINGS.
3. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES.
4. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
5. NONESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
6. PEDESTRIANS SHALL BE PROVIDED WITH ACCESS AND SAFE PASSAGE THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE AT ALL TIMES.
7. W20-8 SHALL BE TAKEN DOWN OR COVERED AFTER EACH WORKING DAY OR WHEN OTHERWISE NOT APPLICABLE, OR WHEN POLICE OFFICERS ARE NOT PRESENT TO DIRECT TRAFFIC.
8. ADVISORY SPEED PLATES (W13-1 - SEE CURRENT EDITION OF MUTCD) SHALL BE USED IF APPLICABLE AND AS REQUIRED BY THE ENGINEER.
9. NO DIFFERENCE IN ROADWAY LANE ELEVATION WILL BE ALLOWED AT THE END OF THE WORK DAY.
10. SAMPLE TRAFFIC PLANS INCLUDED ON THIS PLAN SHEET ARE BASED ON AN URBAN (LOW SPEED) ROAD TYPE FROM THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
11. DASHED LINES SHOW LANE DESIGNATIONS TO BE USED DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL SUBMIT ANY REVISIONS TO THE CONSTRUCTION ZONE SAFETY PLAN TO THE ENGINEER FOR APPROVAL.
13. THIS CONSTRUCTION ZONE SAFETY PLAN SHALL NOT RELIEVE THE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.
14. MAINTAIN ONE LANE IN EACH DIRECTION (MIN. 12' WIDTH) AT ALL TIMES DURING CONSTRUCTION.
15. SEE PAVEMENT MARKING AND SIGN PLAN FOR SIGN LOCATIONS.
16. HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS.
17. ERECT ALL SIGNS IN ACCORDANCE WITH THE LATEST "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND "MASS HIGHWAY'S STANDARD DRAWINGS FOR SIGNS AND SUPPORTS", DATED 1990.
18. FOR THE LATEST SPECIFICATION ON TEXT DIMENSIONS AND COLOR, CONTRACTOR SHALL REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
19. "NO PARKING" SIGNS WILL BE PROVIDED BY THE TOWN. CONTRACTOR SHALL POST ALONG SIDEWALK AS NECESSARY.
20. CONTRACTOR SHALL ASSIST WHENEVER POSSIBLE, DURING TRASH DAYS, WHERE SITE WORK IMPACTS ACCESS TO TRASH COLLECTION.
21. EQUIPMENT MAY BE STORED ON SITE WITHIN JERSEY BARRIERS AS LONG AS IT ALLOWS ENOUGH VISIBILITY DISTANCE TO ALLEVIATE BLIND SPOTS.

[illegible]

<div style="border: 1px solid black; padding: 10px; text-align: center;"> <h1>T-7</h1> </div>	TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS								
	SEWER SIPHON REPLACEMENT PROJECT								
	TRAFFIC MANAGEMENT SIGN SUMMARY, LEGEND, AND NOTES								
FILE NO.	CADD NO.	SCALE:	CONTRACT:	JOB NO.	DR BY	DSN BY	CHK BY	APP BY	
235-3		TWP	NOTED	18-41	21800077	JMC	JMC	JRH	DME



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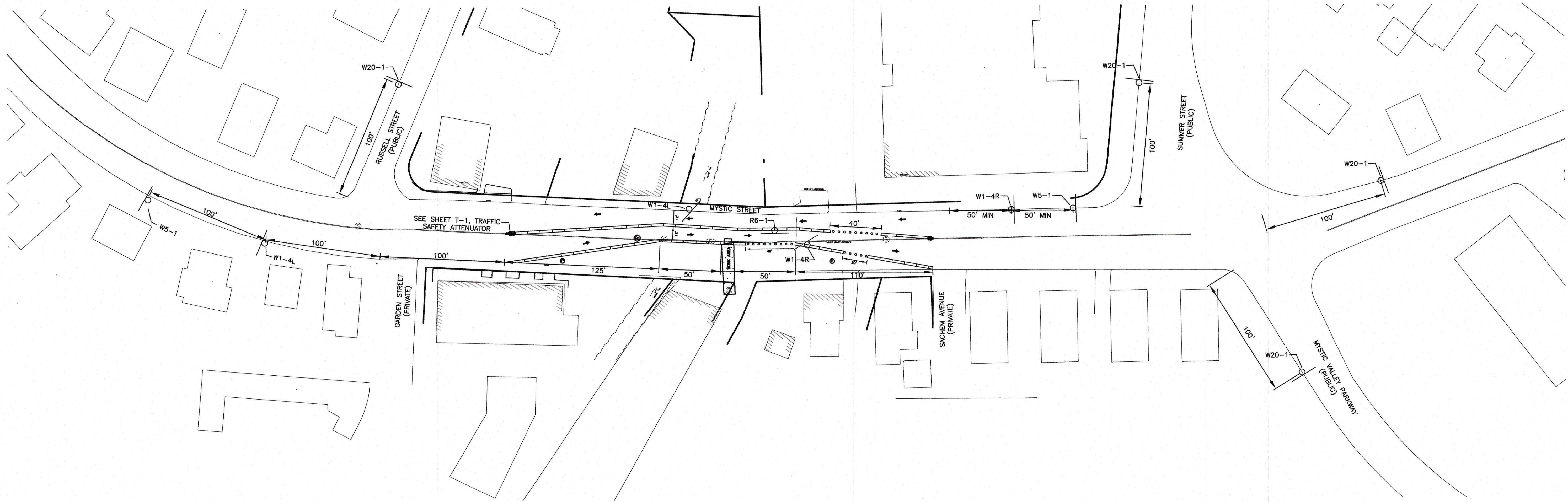
TRAFFIC MANAGEMENT  
PLAN  
SCALE: 1" = 40'

TRAFFIC SAFETY  
ATTENUATOR (TYP.)  
NOT TO SCALE

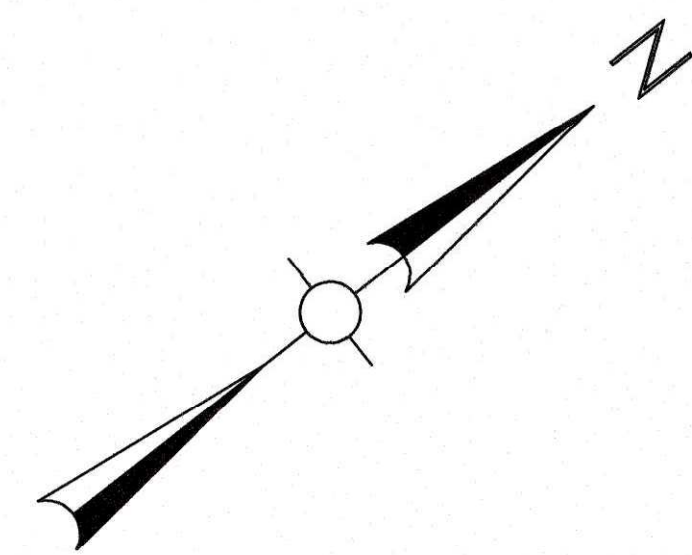
T-2	FILE NO. 235-2	CADD NO. 235-2	T.M.P.	SCALE	NOTED	CONTRACT 18-41	JOB NO. 2180077	DR BY JMC	DSN BY JMC	CHK BY JRH	APP BY DME	MYSTIC STREET TRAFFIC MANAGEMENT PLAN I					TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT		Weston & Sampson Weston & Sampson Engineers, Inc. Five Centennial Drive, Peabody, MA 01960 978.532.1900 800.SAMPSON www.westonandsampson.com	
												No.	Date	Dr. By	Chk. By	App. By	Description	No.	Date	Dr. By
												REGISTERED PROFESSIONAL ENGINEER		9/6/18		DATE				



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TRAFFIC MANAGEMENT  
PLAN  
SCALE: 1" = 40'



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T-3

FILE NO. 235-1

TOWN OF ARLINGTON, MASSACHUSETTS  
DEPARTMENT OF PUBLIC WORKS  
SEWER SIPHON REPLACEMENT PROJECT

MYSTIC STREET TRAFFIC MANAGEMENT PLAN II

CADD NO. 235-1  
JOB NO. 2180077  
CONTRACT: 18-41  
SCALE: TMP  
NOTED  
NOTED

DAVID M. CLER  
No. 41507  
PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER  
DATE 7/6/19

Weston & Sampson  
Weston & Sampson Engineers, Inc.  
Five Centennial Drive, Peabody, MA 01960  
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800 SAMPSON  
www.westonandsampson.com

No.	Date	Dr. By	Chk. By	App. By	Description		
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